

**To:** CN=David Jewett/OU=ADA/O=USEPA/C=US@EPA[]  
**Cc:** []  
**From:** CN=Cynthia Sonich-Mullin/OU=CI/O=USEPA/C=US  
**Sent:** Fri 9/21/2012 6:15:29 PM  
**Subject:** Re: Draft Metadata tables

Can you forward me the latest on that? Or, will Rick?  
I would like to see the latest draft of what has been prepared.  
Thanks.  
Cindy

Cynthia Sonich-Mullin  
Director  
National Risk Management Research Laboratory  
Cincinnati, Ohio 45268  
Ofc: 513-569-7923  
Cell: 513-560-5043

**From:** David Jewett/ADA/USEPA/US  
**To:** Cynthia Sonich-Mullin/CI/USEPA/US@EPA  
**Date:** 09/21/2012 02:13 PM  
**Subject:** Re: Draft Metadata tables

Yes. We (Rick) had prepared a QA/QC discussion for the Phase 5 project, that was going to be added to the draft brief as Appendix B. It provides some context, but may be more info than is needed (QA/QC checks, results of field and lab blanks, etc.).

- dgj -

David G. Jewett, Ph.D.

U.S. Environmental Protection Agency  
Office of Research and Development  
National Risk Management Research Laboratory  
Ground Water and Ecosystems Restoration Division  
Mail: P.O. Box 1198, Ada, Oklahoma 74821  
Phone: 580.436.8560  
Fax: 580.436.8703  
E-mail: [jewett.david@epa.gov](mailto:jewett.david@epa.gov)

**From:** Cynthia Sonich-Mullin/CI/USEPA/US  
**To:** David Jewett/ADA/USEPA/US@EPA  
**Date:** 09/21/2012 01:08 PM  
**Subject:** Re: Draft Metadata tables

Thanks Dave. This is good.  
We will need some context around these tables. I suppose that is in the QAPP or in the "report", correct?

Cynthia Sonich-Mullin  
 Director  
 National Risk Management Research Laboratory  
 Cincinnati, Ohio 45268  
 Ofc: 513-569-7923  
 Cell: 513-560-5043

From: David Jewett/ADA/USEPA/US  
 To: Cynthia Sonich-Mullin/CI/USEPA/US@EPA, Alice Gilliland/CI/USEPA/US@EPA  
 Cc: Deborah McKean/R8/USEPA/US@EPA  
 Date: 09/21/2012 02:05 PM  
 Subject: Draft Metadata tables

FYI - before we received any word on sending the QAPP in lieu of metadata tables, I took a shot at pulling together a group of pertinent tables (or at least what I thought was pertinent). Just passing this information along to you in case any need for this info comes up this weekend. List is below. Tables are attached in MS Word file.

Table #: Title of table:

Table 1 Summary of well IDs, locations, depth of sample collection, type of well, and media sampled.

Table 2 Sample containers, preservation, and holding times for groundwater samples in Phase V.

Table 3 Field QC samples for groundwater analysis.

Table 4 QA/QC requirements for analysis of metals and major ions.

Table 5 QA/QC requirements for analysis of dissolved gases, DIC/DOC, VOCs, low molecular weight acids and stable isotopes of water.

Table 6 Region 8 Laboratory QA/QC requirements for semi-volatiles, GRO, DRO.

Table 7 Isotech Laboratory QA/QC requirements for  $\delta^{13}\text{C}$  of DIC (Dissolved Inorganic Carbon).

Table 8 Isotech Laboratory QA/QC requirements for  $\delta^{13}\text{C}$  of dissolved methane (and  $>\text{C}1$ ) and  $\delta\text{D}$  of dissolved methane.

Table 9 Isotech Laboratory QA/QC requirements for tritium.

Table 10 Region 3 Laboratory QA/QC requirements for LC/MS/MS analysis of glycols.

Table 11 ALS Environmental QA/QC requirements for methanol, ethylene glycol, and propylene glycol.

Table 12 TestAmerica QA/QC requirements for MBAS.

Table 13 ORD/NERL laboratory QA/QC requirements for ethoxylated alcohols, alkylphenols, and acrylamide.

[attachment "Pavillion Phase V Metadata Tables - 20Sep2012.docx" deleted by Cynthia Sonich-Mullin/CI/USEPA/US]

- dgj -

David G. Jewett, Ph.D.

U.S. Environmental Protection Agency  
 Office of Research and Development  
 National Risk Management Research Laboratory  
 Ground Water and Ecosystems Restoration Division  
 Mail: P.O. Box 1198, Ada, Oklahoma 74821  
 Phone: 580.436.8560  
 Fax: 580.436.8703  
 E-mail: jewett.david@epa.gov

- dgj -

David G. Jewett, Ph.D.

U.S. Environmental Protection Agency  
Office of Research and Development  
National Risk Management Research Laboratory  
Ground Water and Ecosystems Restoration Division  
Mail: P.O. Box 1198, Ada, Oklahoma 74821  
Phone: 580.436.8560  
Fax: 580.436.8703  
E-mail: [jewett.david@epa.gov](mailto:jewett.david@epa.gov)